

Frans Timmermans udtaler:

Europe's green and digital transition will bring big changes to the ways we move around. Today's proposals set European mobility on track for a sustainable future. One of the areas is support for cities to increase and improve public transport and infrastructure for walking and cycling," said Executive Vice President for the European Green Deal Frans Timmermans.

In order to embrace the sustainable future we all dream of, we must address the growing need for fully integrated transportation systems that connect existing modes of transport with micromobility vehicles.

Revolutionizing safety

The digital identification of bicycles is increasingly important in a time when many different types of commuters are sharing the road. One example of how intelligent labels can keep cyclists safe is the use of passive RFID inlays placed on the frames of bicycles. These RFID inlays use a small antenna that tracks traffic flows, allowing municipalities and city authorities to identify the location of heavy traffic patterns anonymously, thus improving traffic safety for cyclists and pedestrians. For example, this data can inform where to establish safe parking for bike shares or plan for bike lanes in light traffic areas. (fra Avery Dennisons hjemmeside, verdens største leverandør af RFID til automobilbranchen)

Fra UCI United Cycliste Internationale

Bicycles communicating with vehicles as automation rolls out across the road. Smart cities building insights on traffic flows to plan better cycling infrastructure. Information in the hands - and on the handlebars - of cyclists to enable faster and safer journeys. These scenarios are part of the vision for the future of road transport and some are already becoming a reality today.

Like all sectors, cycling is not immune from the continuing shift towards digitalisation and new technologies. A smart approach to using new tech could help create a better experience for riders, while aiding the creation of safer and more attractive urban spaces for two-wheeled transport.

By gathering data to build up a bird's eye view of bicycle traffic and trips, planners can better anticipate cyclists' needs and steer the shape of the urban landscape in favour of the bike. Be it through traffic counters - Artificial Intelligence (AI) tools counting bicycle numbers through traffic cameras -, or the use of anonymised data generated from ride-tracking companies such as Strava, cities are already crunching the data for smarter cycling.